

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-20 (cancelled)

Claim 21 (new): A fiber-optic plug-in connector system, comprising an adapter and individual optical plug-in connectors having a respective optical fiber ending in a ferrule, and wherein each optical fiber plug-in connector is configured to be respectively inserted into the adapter from two opposing sides to produce an optical connection between the ends of two optical fibers, wherein the adapter includes an adapter housing having a plurality of guiding sleeves arranged parallel next to one another and configured to receive the optical plug-in connectors from both sides, wherein the adapter housing includes a plurality of an upper part and a lower part that are adapted to connect to one another and are adapted to hold the guiding sleeves.

Claim 22 (new): The plug-in connector system as claimed in claim 21, wherein the upper part is flat and plate-shaped and the lower part is flat and plate-shaped.

Claim 23 (new): The plug-in connector system as claimed in claim 22, wherein one of the upper and lower parts is comprised of a guiding means for aligning the upper and lower parts with each other.

Claim 24 (new): The plug-in connector system as claimed in claim 23, wherein the guiding means comprise a number of guiding pins arranged in a distributed manner, wherein the guiding pins are attached in the upper or lower part and enter into a corresponding bore in the corresponding lower or upper part, respectively.

Claim 25 (new): The plug-in connector system as claimed in claim 22, further comprising a connecting means for releasably connecting the upper part and the lower part.

Claim 26 (new): The plug-in connector system as claimed in claim 25, wherein the connecting means comprise screw couplings.

Claim 27 (new): The plug-in connector system as claimed in claim 22, wherein the upper and lower parts further comprise a central web running transversely in relation to a plugging direction and wherein the central web includes a plurality of half-cylindrical depressions for receiving the guiding sleeves, wherein the depressions are arranged one behind the other in a longitudinal direction of the central web.

Claim 28 (new): The plug-in connector system as claimed in claim 27, wherein the upper and lower parts further comprise guiding rails running between the guiding sleeves in the plugging direction and defining for each of the guiding sleeves an associated insertion channel for one of the plug-in connectors, wherein the guiding rails are situated in front of and behind the central web.

Claim 29 (new): The plug-in connector system as claimed in claim 21, wherein the adapter housing further comprises means for fastening or aligning the adapter housing.

Claim 30 (new): The plug-in connector system as claimed in claim 21, wherein the distance between each of the guiding sleeves, measured from a sleeve axis to another sleeve axis, is approximately twice the inside diameter of the guiding sleeves.

Claim 31 (new): The plug-in connector system as claimed in claim 21, wherein the ferrules have an outside diameter of 1.25 mm.

Claim 32 (new): The plug-in connector system as claimed in claim 21, wherein the plug-in connectors respectively include a plastic rectilinear holder, wherein the holder is elongate in the plugging direction, encloses an interior space and includes an opening in a front side for accommodating the ferrule and a through-bore in a rear side for receiving a fiber-optic cable, and wherein a spring element is mounted in the interior space of the holder for the spring-mounting of the ferrule.

Claim 33 (new): The plug-in connector system as claimed in claim 32, wherein the opening for the ferrule is formed so that the opening is open toward the side to facilitate assembly.

Claim 34 (new): The plug-in connector system as claimed in claim 32, wherein the ferrule is inserted in a metallic inner part arranged in the interior space of the holder, wherein the inner part includes a guiding sleeve for guiding the spring element, and wherein the inner part comprises means for adjusting the inner part into different angular positions by rotation about a longitudinal axis of the inner part.

Claim 35 (new): The plug-in connector system as claimed in claim 34, wherein the adjusting means comprise an adjusting portion having a square cross section, wherein the adjusting portion adjoins the guiding sleeve in the front region of the inner part and includes a receiving bore for receiving the ferrule and supporting the spring element by a front end of the spring element.

Claim 36 (new): The plug-in connector system as claimed in claim 32, wherein a side wall on the holders respectively includes a resilient portion with a latching element arranged thereon, and wherein the adapter housing includes latching openings into which the plug-in connectors are adapted to engage with corresponding latching elements on insertion in the adapter housing.

Claim 37 (new): The plug-in connector system as claimed in claim 32, wherein the holder comprises a metallic crimping neck for fastening the fiber-optic cable, wherein the crimping neck is adapted to be pressed with a snap fit into the through-bore of the holder, and wherein the crimping neck includes a tube stub protruding out of the holder, wherein the tube stub is adapted to receive and fasten thereto a crimping sleeve.

Claim 38 (new): The plug-in connector system as claimed in claim 21, wherein the guiding sleeves in the adapter are combined into a plurality of groups, respectively comprising a plurality of guiding sleeves.

Claim 39 (new): The plug-in connector system as claimed in claim 38, wherein the adapter comprises two groups of six guiding sleeves.

Claim 40 (new): The plug-in connector system as claimed in claim 21, wherein each plug-in connector in the adapter is adapted to be inserted into a rectangular insertion opening having a width of approximately 2.4 mm and a height of approximately 3.4 mm.